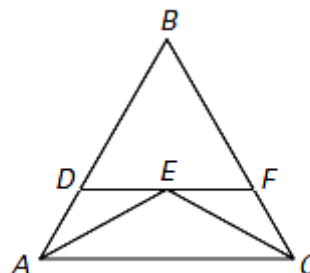


TARGET 4C

Name _____ Date _____

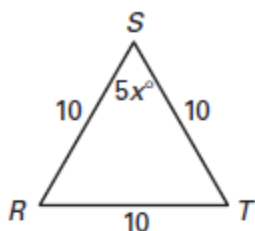
For #1-4, use the picture at the right to complete each statement.

1. If $\overline{AE} \cong \overline{CE}$, then $\angle _? \cong \angle _?$.
2. If $\angle DAE \cong \angle DEA$, then $_? \cong _?$.
3. If $\angle BDF \cong \angle DBF \cong \angle BFD$, then $_? \cong _? \cong _?$.
4. If $\overline{AB} \cong \overline{BC} \cong \overline{AC}$, then $\angle _? \cong \angle _? \cong \angle _?$.

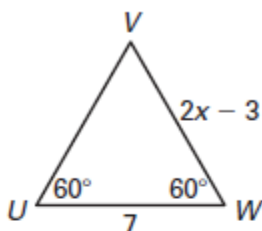


Find the value of x .

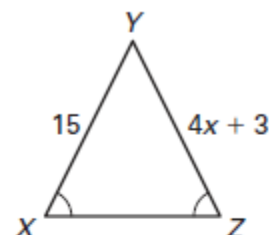
5)



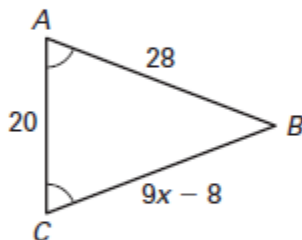
6)



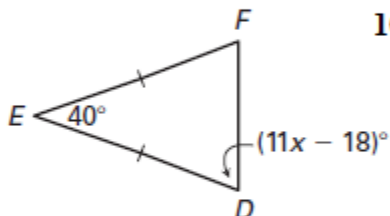
7)



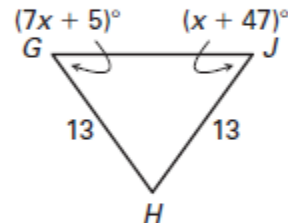
8)



9)

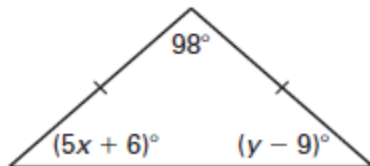


10)

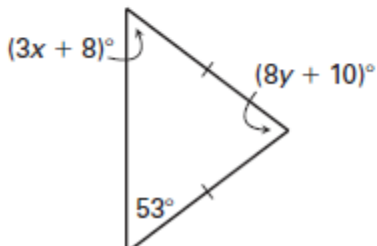


Find the values of x and y .

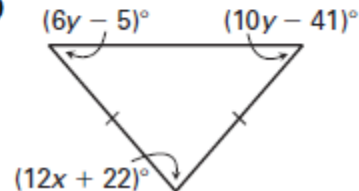
11)



12)



13)



TARGET 4C ANSWERS

1. $\angle EAC \cong \angle ECA;$

2. $\overline{DA} \cong \overline{DE}$

3. $\overline{BD} \cong \overline{BF} \cong \overline{DF}$

4. $\angle BAC \cong \angle ABC \cong \angle BCA;$

5. 12

6. 5

7. 3

8. 4

9. 8

10. 7

11. $x = 7, y = 50$

12. $x = 15, y = 8$

13. $x = 5, y = 9$